



FORM PTO-1449

## INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.

20490.003

APPLICATION NO.

10/569,076

APPLICANTS

Wolfgang E. BERDEL *et al.*

FILING DATE

February 21, 2006

GROUP

To Be Assigned

## U.S. PATENT DOCUMENTS

| EXAMINER<br>INITIAL |     | DOCUMENT<br>NUMBER | DATE | NAME | CLASS | SUB-<br>CLASS | FILING DATE |
|---------------------|-----|--------------------|------|------|-------|---------------|-------------|
|                     | AAI |                    |      |      |       |               |             |
|                     | ABI |                    |      |      |       |               |             |

## FOREIGN PATENT DOCUMENTS

| EXAMINER<br>INITIAL |     | DOCUMENT<br>NUMBER | DATE    | COUNTRY | CLASS | SUB-<br>CLASS | TRANSLATION |
|---------------------|-----|--------------------|---------|---------|-------|---------------|-------------|
| /MA/                | ACI | WO 03/035688 A     | 05/2003 | WIPO    |       |               | Yes<br>No   |
|                     | ADI |                    |         |         |       |               | Yes<br>No   |

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

|      |     |   |  |  |  |  |  |
|------|-----|---|--|--|--|--|--|
| /MA/ | AEI | Arap <i>et al.</i> , "Cancer Treatment by Targeted Drug Delivery to Tumor Vasculature in a Mouse Model", <i>Science</i> 279:377-380 (1998)  |  |  |  |  |  |
|      | AFI | Banner <i>et al.</i> , "The Crystal Structure of the Complex of Blood Coagulation Factor VIIa with Soluble Tissue Factor", <i>Nature</i> 380:41-46 (1996)   |  |  |  |  |  |
|      | AGI | Bhagwa <i>et al.</i> , "CD13/APN is Activated by Angiogenic Signals and is Essential for Capillary Tube Formation", <i>Blood</i> 97(3):652-659 (2001)   |  |  |  |  |  |
|      | AHI | Brooks <i>et al.</i> , "Requirement of Vascular Integrin $\alpha_v\beta_3$ for Angiogenesis", <i>Science</i> 264:569-571 (1994)   |  |  |  |  |  |
|      | AII | Brooks <i>et al.</i> , "Integrin $\alpha_v\beta_3$ Antagonists Promote Tumor Regression by Inducing Apoptosis of Angiogenic Blood Vessels", <i>Cell</i> 79:1157-1164 (1994)                         |  |  |  |  |  |
|      | AJI | Brooks <i>et al.</i> , "Localization of Matrix Metalloproteinase MMP-2 to the Surface of Invasive Cells by Interaction with Integrin $\alpha_v\beta_3$ ", <i>Cell</i> 85:683-693 (1996)             |  |  |  |  |  |
|      | AKI | Brooks <i>et al.</i> , "Disruption of Angiogenesis by PEX, a Noncatalytic Metalloproteinase Fragment with Integrin Binding Activity", <i>Cell</i> , 92:391-400 (1998)                               |  |  |  |  |  |
|      | ALI | Burg <i>et al.</i> , "NG2 Proteoglycan-Binding Peptides Target Tumor Neovasculature", <i>Cancer Research</i> 59:2869-2874 (1999)  |  |  |  |  |  |
|      | AMI | Burrows <i>et al.</i> , "Up-Regulation of Endoglin on Vascular Endothelial Cells in Human Solid Tumors: Implications for Diagnosis and Therapy", <i>Clinical Cancer Research</i> 1:1623-1634 (1995) |  |  |  |  |  |

EXAMINER

/Marianne Allen/

DATE CONSIDERED

05/12/2008

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| /MA/ | ANI | Carnemolla <i>et al.</i> , "A Tumor-associated Fibronectin Isoform Generated by Alternative Splicing of Messenger RNA Precursors", <i>The Journal of Cell Biology</i> 108:1139-1148 (1989)                     |
|      | AOI | Curnis <i>et al.</i> , "Enhancement of Tumor Necrosis Factor $\alpha$ Antitumor Immunotherapeutic Properties by Targeted Delivery to Aminopeptidase N (CD13)", <i>Nature Biotechnology</i> 18:1185-1190 (2000) |
|      | API | Curnis <i>et al.</i> , "Differential Binding of Drugs Containing the NGR Motif to CD13 Isoforms in Tumor Vessels, Epithelia, and Myeloid Cells", <i>Cancer Research</i> 62:867-874 (2002)                      |
|      | AQI | Dvorak <i>et al.</i> , "Distribution of Vascular Permeability Factor (Vascular Endothelial Growth Factor) in Tumors: Concentration in Tumor Blood Vessels", <i>J. Exp Med.</i> 174:1275-1278 (1991)            |
|      | ARI | Dvorak <i>et al.</i> , "Vascular Permeability Factor/Vascular Endothelial Growth Factor, Microvascular Hyperpermeability, and Angiogenesis", <i>American Journal of Pathology</i> , 146(5):1029-1039 (1995)    |
|      | ASI | Ellerby <i>et al.</i> , "Anti-Cancer Activity of Targeted Pro-Apoptotic Peptides", <i>Nature Medicine</i> , 5(9):1032-1038 (1999)  |
|      | ATI | Folkman <i>et al.</i> , "Induction of Angiogenesis During the Transition from Hyperplasia to Neoplasia", <i>Nature</i> 339:58-61 (1989)  |
|      | AUI | Gottstein <i>et al.</i> , "Generation and Characterization of Recombinant Vascular Targeting Agents from Hybridoma Cell Lines", <i>BioTechniques</i> 30(1):190-199 (2001)                                      |
|      | AVI | Healy <i>et al.</i> , "Peptide Ligands for Integrin $\alpha_v\beta_3$ Selected from Random Phage Display Libraries", <i>Biochemistry</i> 34:3948-3955 (1995)   |
|      | AWI | Hu <i>et al.</i> , "Comparison of Three Different Targeted Tissue Factor Fusion Proteins for Inducing Tumor Vessel Thrombosis", <i>Cancer Research</i> 63:5046-5053 (2003)                                     |
|      | AXI | Huang <i>et al.</i> , "Tumor Infarction in Mice by Antibody-directed Targeting of Tissue Factor to Tumor Vasculature", <i>Science</i> 275:547-550 (1997)   |
|      | AYI | <del>International Search Report of PCT/EP 2004/009364 mailed February 23, 2005.</del>   |
|      | AZI | Koivunen <i>et al.</i> , "Selection of Peptides Binding to the $\alpha_v\beta_3$ Integrin from Phage Display Library", <i>The Journal of Biological Chemistry</i> , 268(27):20205-20210 (1993)                 |

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| /MA/ | AA2 | Koivunen <i>et al.</i> , "Tumor Targeting with a Selective Gelatinase Inhibitor", <i>Nature Biotechnology</i> 17:768-774 (1999)  |
|      | AB2 | Liu <i>et al.</i> , "Prostate-specific Membrane Antigen Directed Selective Thrombotic Infarction of Tumors", <i>Cancer Research</i> 62:5470-5475 (2002)  |
|      | AC2 | Maisonpierre <i>et al.</i> , "Angiopoietin-2, a Natural Antagonist for Tie2 That Disrupts In Vivo Angiogenesis", <i>Science</i> 277:55-60 (1997)   |
|      | AD2 | Morrissey <i>et al.</i> , "Quantitation of Activated Factor VII Levels in Plasma Using a Tissue Factor Mutant Selectively Deficient in Promoting Factor VII Activation", <i>Blood</i> 81(3):734-744 (1993)   |
|      | AE2 | Nilsson <i>et al.</i> , "Targeted Delivery of Tissue Factor to the ED-B Domain of Fibronectin, a Marker of Angiogenesis, Mediates the Infarction of Solid Tumors in Mice", <i>Cancer Research</i> 61:711-716 (2001)  |
|      | AF2 | Olsen <i>et al.</i> , "Targeting the Tumor Vasculature: Inhibition of Tumor Growth by a Vascular Endothelial Growth Factor-Toxin Conjugate", <i>Int. J. Cancer</i> 73:865-870 (1997)   |
|      | AG2 | Pasqualini <i>et al.</i> , "Aminopeptidase N Is a Receptor for Tumor-homing Peptides and a Target for Inhibiting Angiogenesis", <i>Cancer Research</i> 60:722-727 (2000)   |
|      | AH2 | Peters <i>et al.</i> , "Expression of Tie2/Tek in Breast Tumour Vasculature Provides a New Marker for Evaluation of Tumour Angiogenesis", <i>British Journal of Cancer</i> 77(1):51-56 (1998)  |
|      | AI2 | Ran <i>et al.</i> , "Infarction of Solid Hodgkin's Tumors in Mice by Antibody-directed Targeting of Tissue Factor to Tumor Vasculature", <i>Cancer Research</i> 58:4646-4653 (1998)  |
|      | AJ2 | Rettig <i>et al.</i> , "Identification of Endosialin, a Cell Surface Glycoprotein of Vascular Endothelial Cells in Human Cancer", <i>Proc. Natl. Acad. Sci. USA</i> 89:10832-10836 (1992)  |
|      | AK2 | Rippmann <i>et al.</i> , "Fusion of the Tissue Factor Extracellular Domain to a Tumour Stromaspecific Single-Chain Fragment Variable Antibody Results in an Antigen-Specific Coagulation-Promoting Molecule", <i>Giochemical Journal</i> 349(3):805-812 (2000) |
|      | AL2 | Ruf <i>et al.</i> , "Phospholipid-independent and -dependent Interactions Required for Tissue Factor Receptor and Cofactor Function", <i>The Journal of Biological Chemistry</i> , 266(4):2158-2166 (1991)   |
| ↓    | AM2 | Ruoslahti, "Targeting Tumor Vasculature with Homing Peptides from Phage Display", <i>Seminars in Cancer Biology</i> 10:435-442 (2000)  |

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| /MA/ | AN2 | Scholz <i>et al.</i> , "Correlation of Drug Response in Patients and in the Clonogenic Assay with Solid Human Tumour Xenografts", <i>Eur J. Cancer</i> 26(8):901-905 (1990)   |
|      | AO2 | Schnürch <i>et al.</i> , "Expression of tie-2, a Member of a Novel Family of Receptor Tyrosine Kinases, In the Endothelial Cell Lineage", <i>Development</i> 119:957-968 (1993)   |
|      | AP2 | Schrappe <i>et al.</i> , "Correlation of Chondroitin Sulfate Proteoglycan Expression on Proliferating Brain Capillary Endothelial Cells with the Malignant Phenotype of Astroglial Cells", <i>Cancer Research</i> 51:4986-4993 (1991) |
|      | AQ2 | Senger <i>et al.</i> , "Angiogenesis Promoted by Vascular Endothelial Growth Factor: Regulation Through $\alpha_1\beta_1$ and $\alpha_2\beta_1$ Integrins", <i>Proc. Natl. Acad. Sci. USA</i> 94:13612-13617 (1997)                   |
|      | AR2 | Suri <i>et al.</i> , "Requisite Role of Angiopoietin-1, a Ligand for the TIE2 Receptor, During Embryonic Angiogenesis", <i>Cell</i> 87:1171-1180 (1996)   |
|      | AS2 | Terman <i>et al.</i> , "Biological Properties of VEGF/VPF Receptors", <i>Cancer and Metastasis Reviews</i> 15:159-163 (1996)  |
|      | AT2 | Topp <i>et al.</i> , "Recombinant Human Interleukin-4 Inhibits Growth of Soe Human Lung Tumor Cell Lines In Vitro and In Vivo", <i>Blood</i> 82(9):2837-2844 (1993)   |
|      | AU2 | Topp <i>et al.</i> , "Recombinant Human Interleukin 4 Has Antiproliferative Activity on Human Tumor Cell Lines Derived from Epithelial and Nonepithelial Histologies", <i>Cancer Research</i> 55:2173-2176 (1995)                     |
| ↓    | AV2 | Yun <i>et al.</i> , "Involvement of Integrin $\alpha_3\beta_3$ in Cell Adhesion, Motility, and Liver Metastasis of Murine RAW117 Large Cell Lymphoma", <i>Cancer Research</i> 56:3103-3111 (1996)                                     |
|      | AW2 |   |

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